

M10 HALF CELL MONO **590W-605W**

156 CELL

M10 MBB MONO PERC

21.8%

MAXIMUM EFFICIENCY

0 to +5W

POSITIVE POWER TOLERANCE



Higher Output of Power



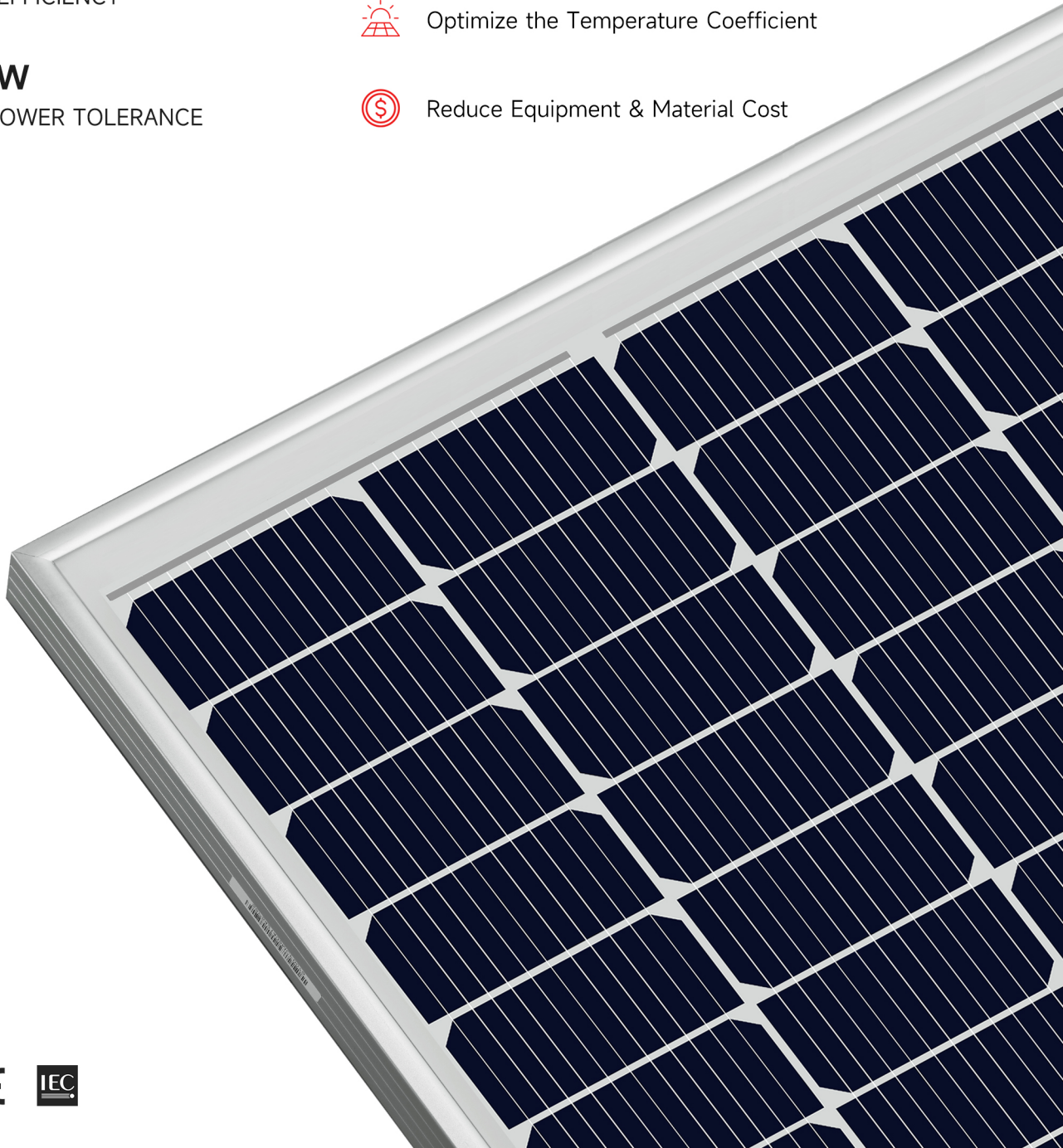
For Environment For Future



Optimize the Temperature Coefficient



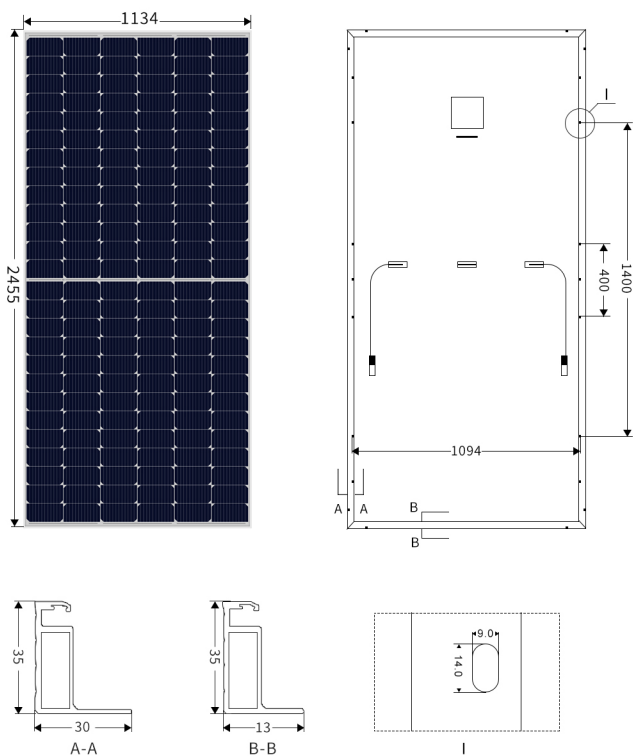
Reduce Equipment & Material Cost



Module Type		PW-78M590HM10		PW-78M595HM10		PW-78M600HM10		PW-78M605HM10	
		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Test Environment		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power	$P_{MAX}(W)$	590	446	595	450	600	454	605	459
Maximum Power Voltage	$V_{MPP}(V)$	44.28	41.47	44.38	41.64	44.48	41.81	44.58	41.98
Maximum Power Current	$I_{MPP}(A)$	13.33	10.75	13.41	10.80	13.49	10.86	13.57	10.93
Open Circuit Voltage	$V_{OC}(V)$	53.72	50.75	53.82	50.85	53.92	50.95	54.02	50.50
Short Circuit Current	$I_{SC}(A)$	13.93	11.42	14.02	11.47	14.11	11.52	14.33	11.55
Tolerance	(W)	0 - +5		0 - +5		0 - +5		0 - +5	
Module Efficiency	(%)	21.20		21.40		21.60		21.80	

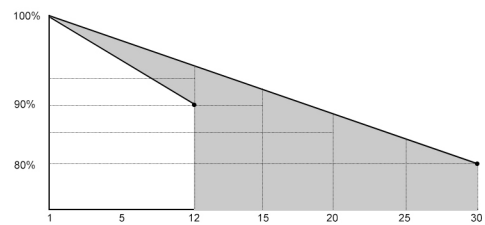
STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3. Average efficiency reduction of 4.5% at 200W/m² according to EN 60904-1
 NOCT: Irradiance at 800 W/m², Ambient Temperature 20°C, Wind Speed 1m/s.

DIMENSIONS OF PV MODULE



LINEAR PERFORMANCE WARRANTY

🏠 12 Year Product Warranty 🕒 30 Year Linear Power Warranty



TEMPERATURE RATINGS

Nominal Operating Cell Temperature(NOCT)	45±2°C
Temperature Coefficient of P_{MAX}	-0.35%/°C
Temperature Coefficient of V_{OC}	-0.28%/°C
Temperature Coefficient of I_{SC}	+0.048%/°C

MAXIMUM RATING

Operational Temperature	-40 to +85°C
Maximum System Voltage	1000/1500VDC(IEC)
Max Series Fuse Rating	25A
Mechanical Load	5400pa
Wind Load	2400pa

MECHANICAL DATA

Solar Cells	MBB Mono PERC 182 x 91mm
Cell Orientation	156 Cells (6 x 26)
Module Dimensions	2455 x 1134 x 35mm
Weight	29kg
Glass	High Transparency, Anti-Reflective, AR Coated and Heat Tempered Solar Glass -3.2mm
Backsheet	White
Frame	Silver Anodized Aluminium Alloy (Black Available)
J-Box	IP 68 3 diodes
Cables	Photovoltaic Technology Cable 4.0mm ² , 350mm
Connector	EVO2 or EVO2 Compatible
PACKING CONFIGURATION	Modules per Box: 31 Pieces Modules per 40' Container: 600 Pieces

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